

IN THE CLAIMS

Please amend Claim 23 as shown in the marked-up copy to read as follows:

23. (Amended) A method for displaying the characteristics of fluid machinery as claimed in claim 22, further comprising numerically displaying data related to the power consumption adjacent to each curve representing the flow rate-pressure characteristics.

Please add new Claims 35-42 as follows:

35. (New) An energy-saving diagnostic system for fluid machinery, comprising:
a controller for identifying characteristics of the fluid machinery represented by flow rate-head characteristics of the fluid machinery from inputted data on the fluid machinery to be diagnosed, and calculating a reduction in power consumption achieved when reducing a rotational speed of the fluid machinery, based on the identified characteristics of the fluid machinery; and

a storage unit for storing data for outputting the calculated reduction in power consumption.

36. (New) A method for selecting a device for energy saving in fluid machinery, comprising:

identifying characteristics of the fluid machinery represented by flow rate-head characteristics of the fluid machinery from inputted data on the fluid machinery to be diagnosed;

calculating a reduction in power consumption achieved when reducing a rotational speed of the fluid machinery, based on the identified characteristics of the fluid machinery; and

selecting a device for energy saving suitable for achieving the calculated reduction in

power consumption.

37. (New) An energy-saving diagnostic system for fluid machinery, comprising:

a controller for identifying characteristics of the fluid machinery represented by flow rate-head characteristics of the fluid machinery from data on the fluid machinery, to be diagnosed, inputted into a user's input device, and calculating a reduction in power consumption achieved when reducing a rotational speed of the fluid machinery, based on the identified characteristics of the fluid machinery; and

a storage unit for storing data for outputting the calculated reduction in power consumption on a user's output device.

38. (New) A method for selecting a device for energy saving in fluid machinery, comprising:

identifying characteristics of the fluid machinery represented by flow rate-head characteristics of the fluid machinery from data on the fluid machinery, to be diagnosed, inputted into a user's input device;

calculating a reduction in power consumption achieved when reducing a rotational speed of the fluid machinery, based on the identified characteristics of the fluid machinery; and

selecting a device for energy saving suitable for achieving the calculated reduction in power consumption.

39. (New) A method for reducing power consumption and promoting energy saving in fluid machinery by incorporating a device for energy saving into the fluid machinery, the method comprising:

identifying characteristics of the fluid machinery represented by flow rate-head

characteristics of the fluid machinery to be diagnosed;

calculating a reduction in power consumption achieved when reducing a rotational speed of the fluid machinery, based on the identified characteristics of the fluid machinery;

and

providing the calculated reduction in power consumption to a user.

40. (New) A method for reducing power consumption and promoting energy saving in fluid machinery by incorporating a device for energy saving into the fluid machinery, the method comprising:

identifying characteristics of the fluid machinery represented by flow rate-head characteristics of the fluid machinery to be diagnosed;

refining the identified characteristics of the fluid machinery by inputting power consumption at an actual operating point;

calculating a reduction in power consumption achieved when reducing a rotational speed of the fluid machinery, based on the refined characteristics of the fluid machinery; and

providing the calculated reduction in power consumption to a user.

41. (New) A method for reducing power consumption and promoting energy saving in fluid machinery by incorporating a device for energy saving into the fluid machinery, the method comprising:

identifying characteristics of the fluid machinery represented by flow rate-head characteristics of the fluid machinery to be diagnosed;

calculating a reduction in power consumption achieved when reducing a rotational speed of the fluid machinery, based on the identified characteristics of the fluid machinery;

and